

SAN BERNARDINO COUNTY

FLOOD CONTROL DISTRICT



ZONE 4 ADVISORY COMMITTEE



Fiscal Year 08/09 Budget Hearing
City of Victorville
April 17, 2008



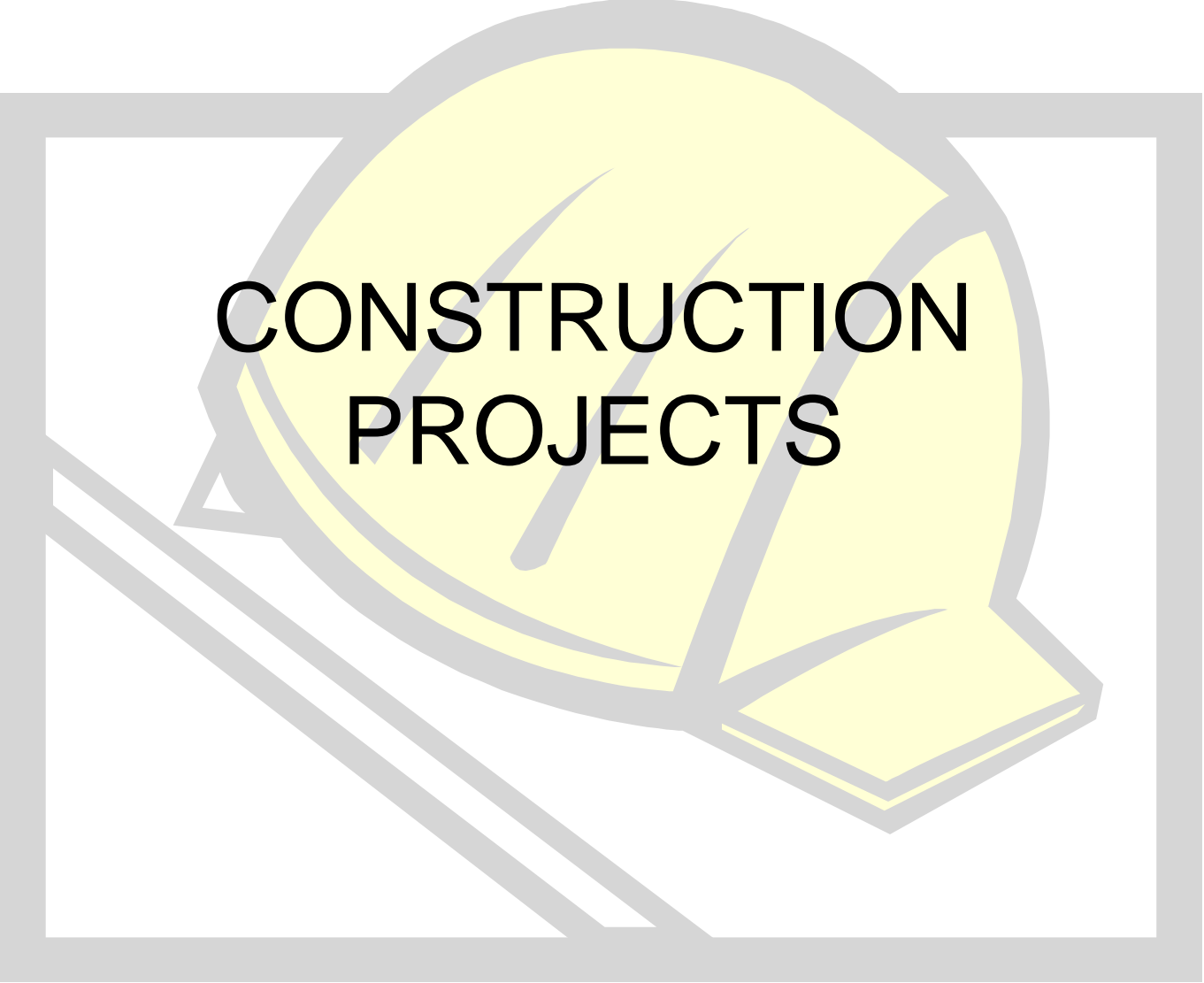
**SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
ADVISORY COMMITTEE MEETING**



**ZONE 4
FY 2008/2009 BUDGET HEARING
April 17, 2008
1:00 p.m.**

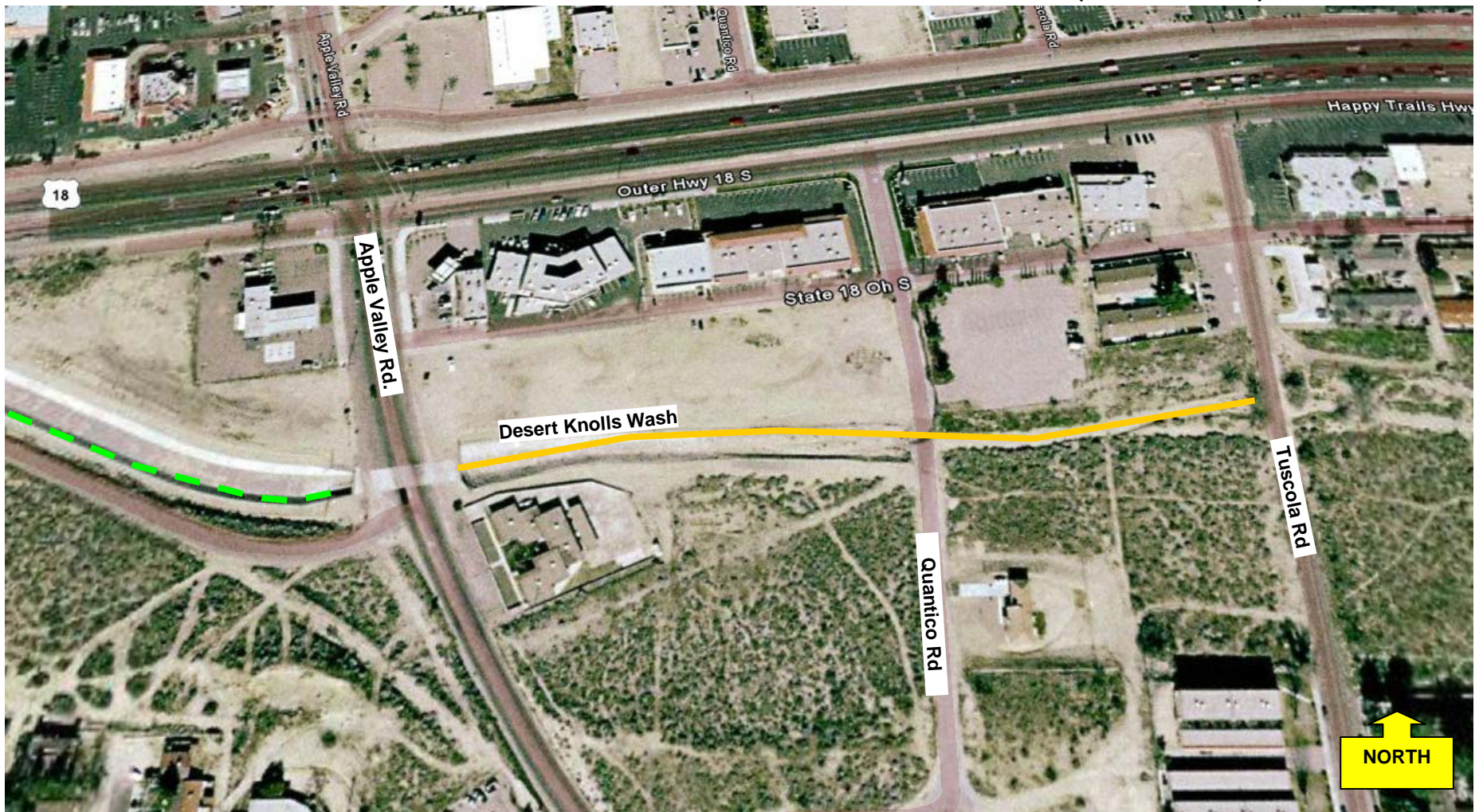
A G E N D A

1. Open Meeting, Pledge of Allegiance
2. Introduce Zone Advisory Committee Members and Staff
3. Approve Semi-Annual Meeting Minutes dated September 6, 2007
4. Desert Hydrology Manual Update – Mike Fox
5. FEMA Levee Certification Project – Mike Fox
6. Mojave Chub Update – Naresh Varma
7. Project Status
 - Construction
 - Planning/Engineering
8. New Project Requests
 - ❖ Mt. View Acres
 - ✓ \$5.4-6.7 for construction
9. Budget and Construction Program
 - Status of Present Fiscal Year 2007/2008
 - Fiscal Year 2008/2009 Budget Study
 - 10-Year Plan
10. Budget Workshop
11. Public Comments
12. Recommend Fiscal Year 2008/2009 Budget to Board of Supervisors
13. Tentative Next Meeting Date – September 4, 2008 @ 9 am – Location to Be announced
14. Adjournment



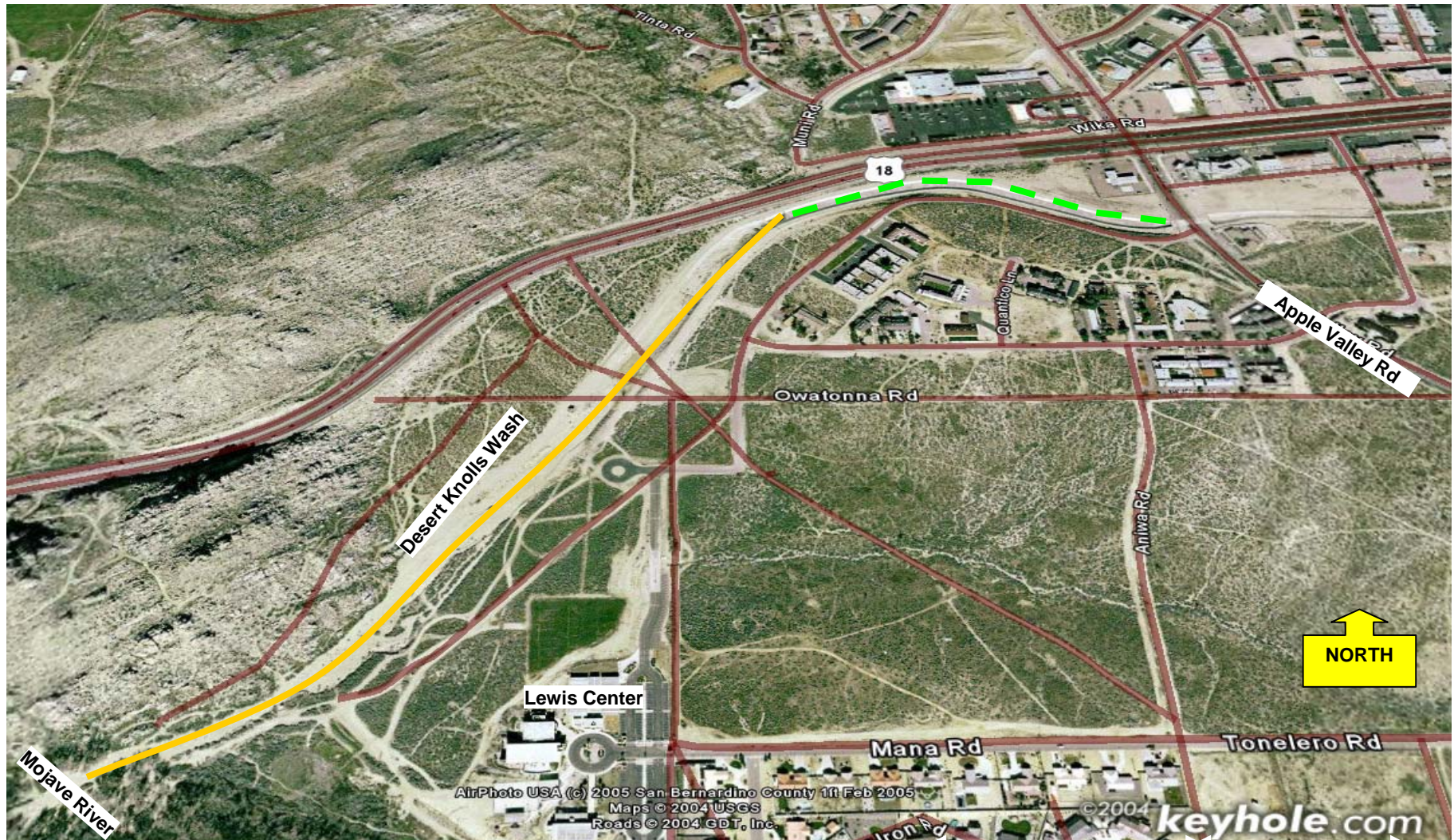
CONSTRUCTION PROJECTS

APPLE VALLEY – Desert Knolls Wash (Phase II)



The project limits are from Apple Valley Road to Tuscola Road and the proposed improvements include improving the existing channel into a rectangular concrete channel. The estimated construction cost is currently \$4.4 million, including right of way acquisition, construction administration and contingencies. Final plans and specifications of the project are complete and awaiting approval for environmental mitigation measures required by the Regional Water Quality Control Board. Due to District's plans to improve more reaches of the Wash in the future, RWQCB required these measures to be implemented, which include energy dissipation structures and a de-silting basin for the most downstream reach of the Wash that are to be included as part of (Phase 3).

APPLE VALLEY - Desert Knolls Wash (Phase III)



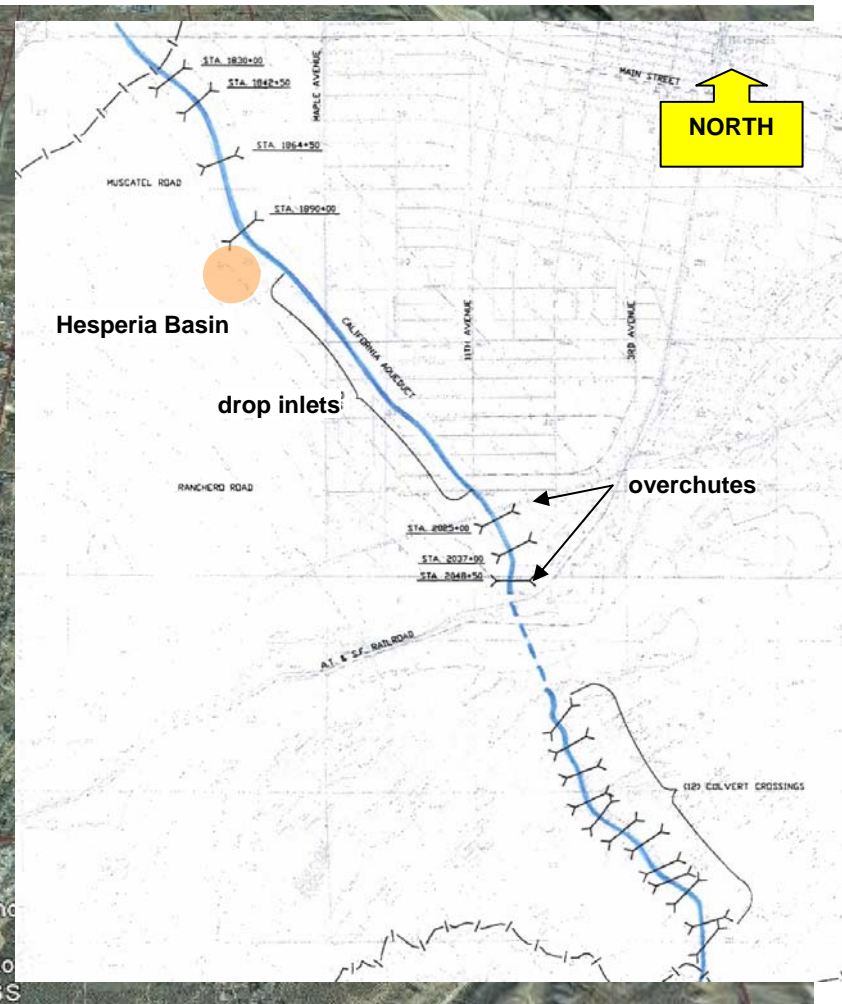
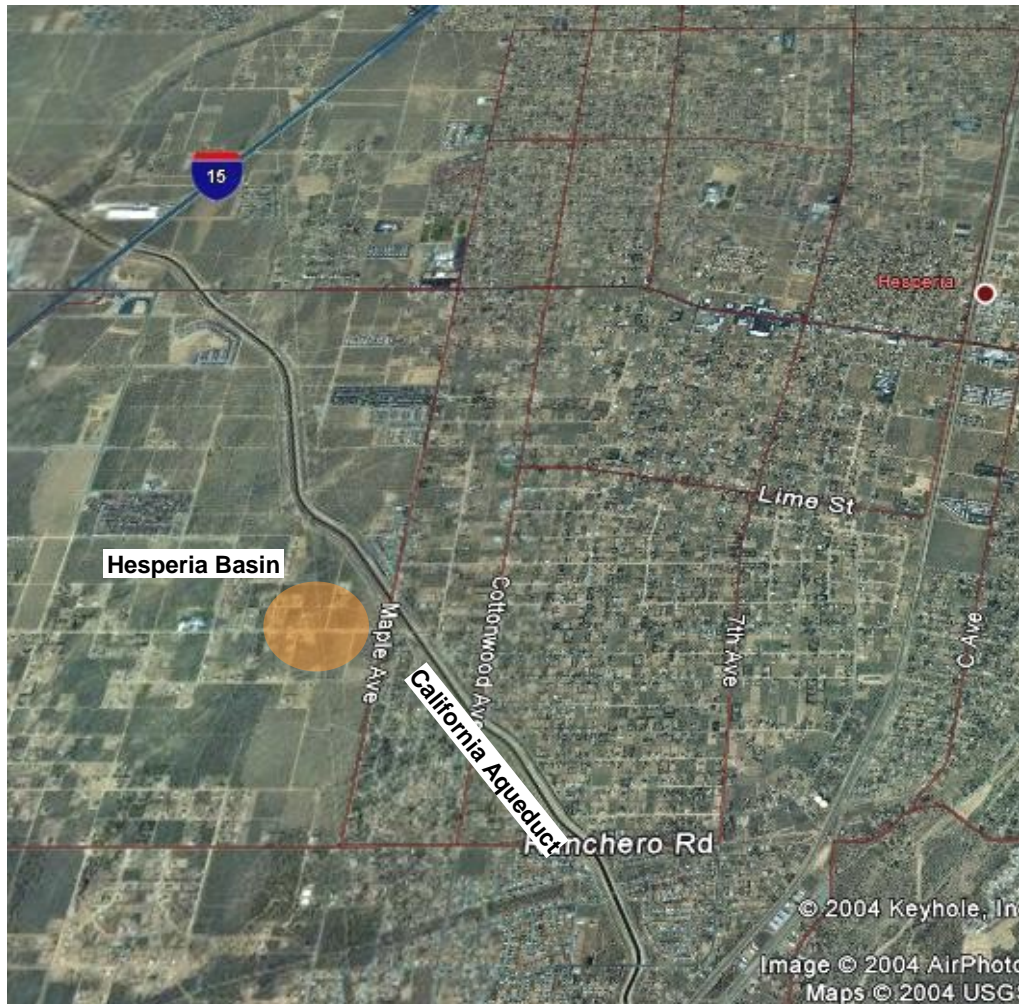
Phase III consist of engineering to improve the natural wash from downstream of Apple Valley Road to Mojave River. In addition, as a part of Phase III the RWQCB mitigations measures required for Phase II are to be included. The District submitted an Alternative Analyses for review to the RWQCB on March 24, 2008 and are awaiting comments. Currently the District is coordinating with the San Manuel Tribe regarding the mitigation measures to preserve the Burial sites discovered on the Lewis Center Property during the initial environmental investigation. Preliminary engineering estimate for construction of Phase III is approximately \$9.05 million, including contingencies and contract administration. The cost include both the improvements to the channel and the mitigation measures required by the RWQCB.

BARSTOW – Kitchen Wash



At the FY 06/07 Budget Hearing, the Committee allocated \$4 million toward the final design and construction of a drainage system to intercept a majority of the storm flows generated within the watershed and convey it to the Mojave River. During the preliminary design and right of way investigation it was discovered a tentative Tract map had been submitted on the property where the basin was to be located. Currently, the District is exploring viable alternatives and coordinating with the right of way department and property owners.

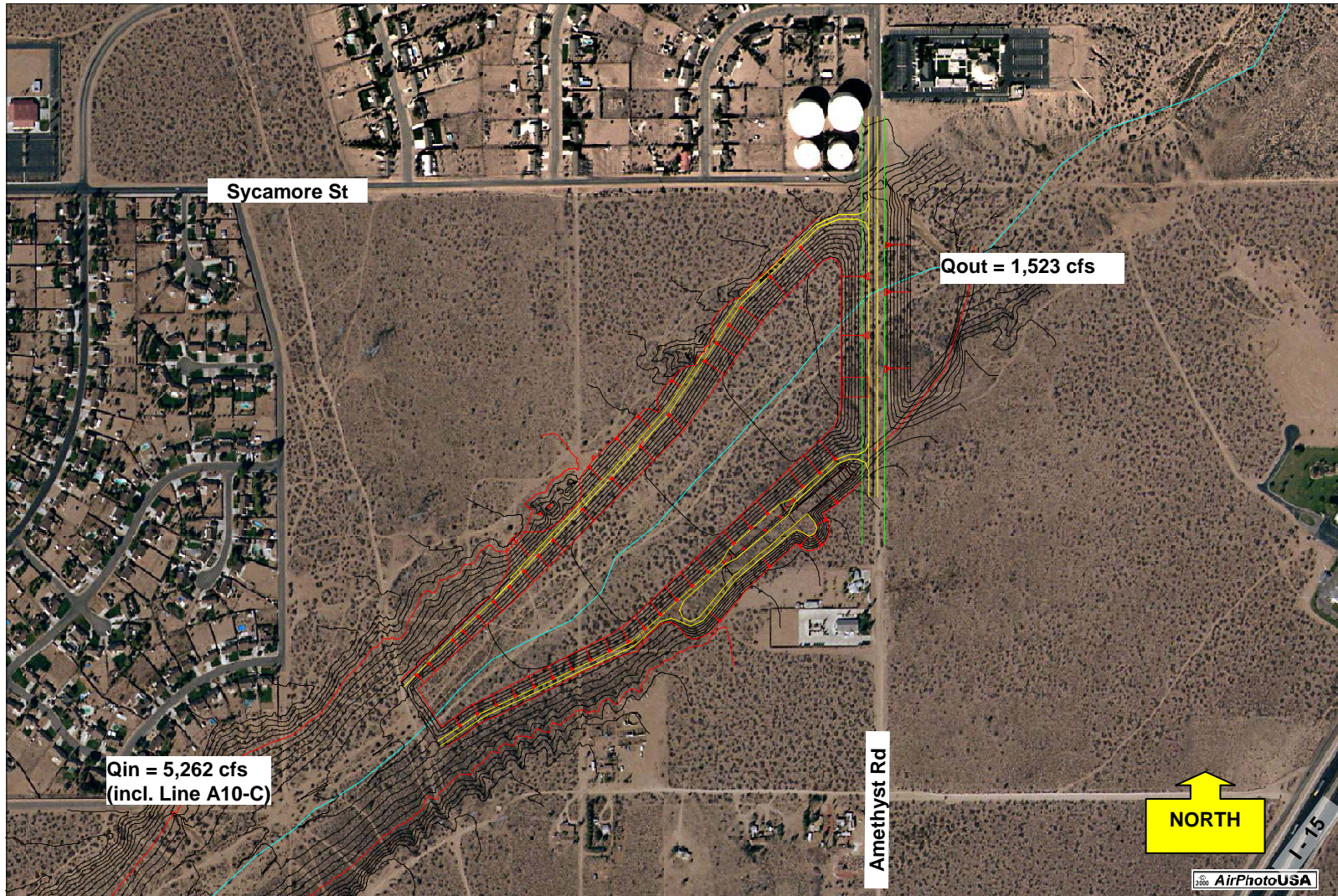
HESPERIA – Hesperia Basin



This is one of the regional facilities identified in the Hesperia Master Plan of Drainage as a first priority for allocation of funds for acquisition of right-of-way and construction. During the Hesperia MPD preparation during late 1980's, DWR indicated that it would close the existing drop inlets due to water quality concerns and their desire to enlarge the aqueduct.

Recently, the District submitted a report on the Basin to DWR providing, various alternatives to consider for the construction of the larger basin. DWR staff has been requested to review the report and provide comments. Per this report, the estimated construction cost of the recommended alternative is approximately \$20.7 million, including right of way acquisition, contingencies and contract administration. At the request of District staff, Real Estate Division is currently preparing appraisals for several parcels within the proposed basin footprint for acquisition. Still awaiting comments from DWR, from recent conversation the project nearing final stages and hopeful of a response in 08/09

VICTORVILLE – Oro Grande Wash Detention Basin #9



This facility was prioritized in Dec. '95 for allocation of funds for right-of-way acquisition and construction. Based on extensive analysis at City's request, the District estimated the construction cost at \$10.8 million, which included design, right-of-way, contingencies and contract administration. In the interest of reducing the basin outflow even further, the City proposed a study to evaluate desert hydrology and its impact on peak flows within this watershed. The basin is pending the outcome of the desert hydrology. Currently, the District is working with a consultant to complete this hydrology study. A Draft Study was submitted on 2/25/08.

VICTORVILLE – Mojave River I-15 Levee (Phase I)



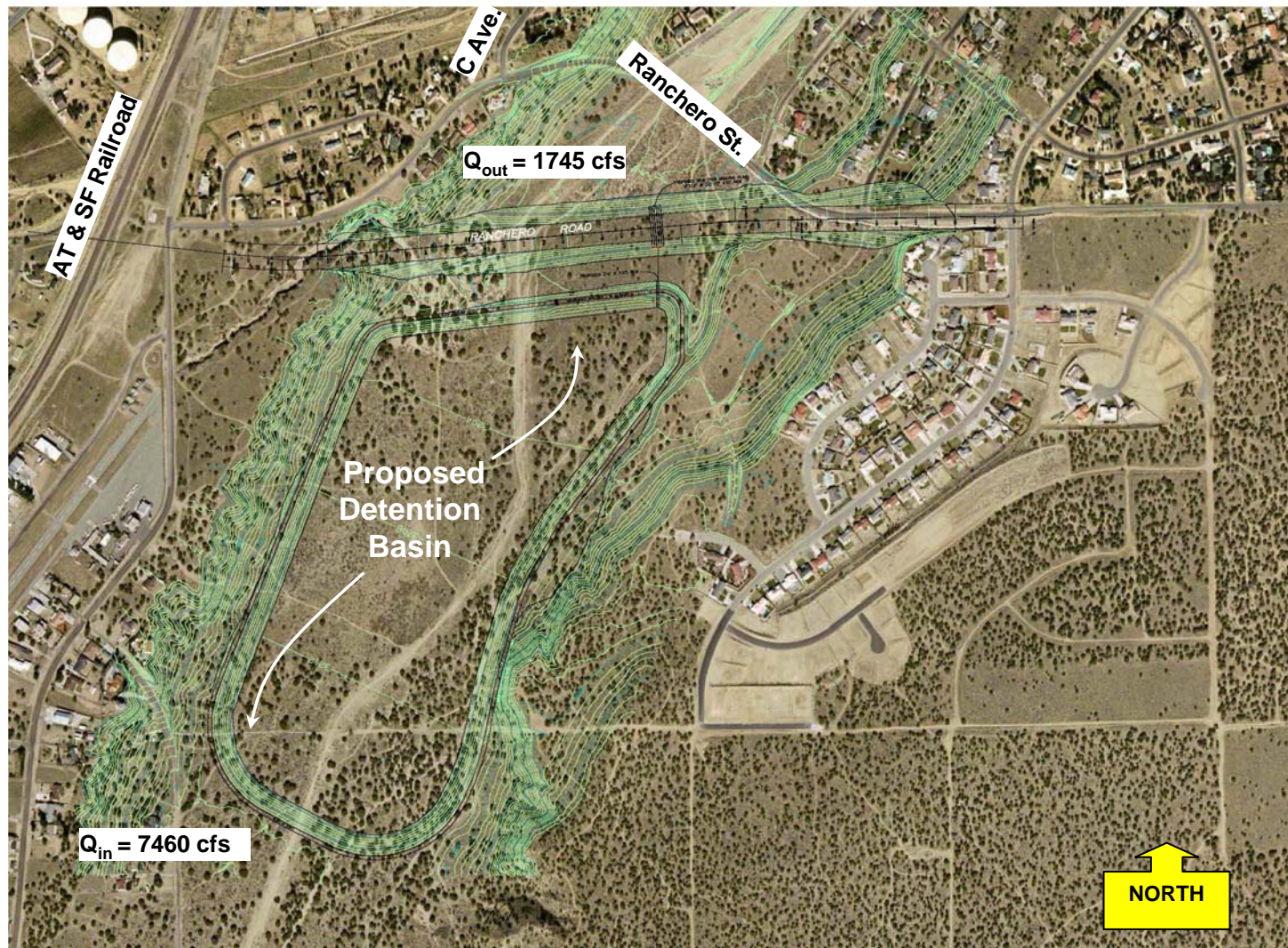
The limits of the project are from I-15 to 6th street. Pursuant to several discussions with the regulatory branch of the Army Corps of Engineers, the District was required to incorporate un-grouted rip rap instead of grouted rock and place filter fabric. Currently, the contractor is awaiting railing material and Project construction is scheduled to be complete April 18 2008. Final construction cost is pending approval of proposed final and contract administration.

VICTORVILLE – Mojave River I-15 Levee (Phase II)



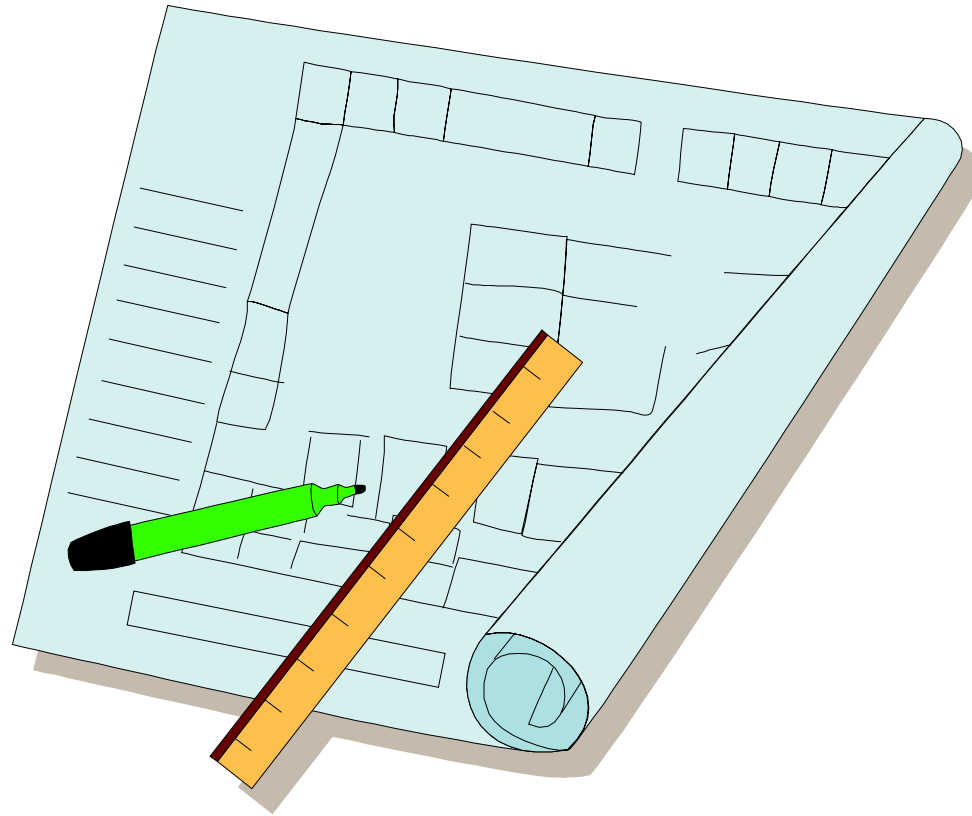
This project is an extension of the Phase I levee section up to the Oro Grande Wash Box. The preliminary project estimate is \$750,000. Currently, District staff is preparing the final engineering plans, awaiting environmental permits and are the process of acquiring the necessary right of way for the project. The construction of this project is scheduled for the end of 2008. \$1 million is available in FY 08/09 for construction.

FLOOD CONTROL DISTRICT – Ranchero Detention Basin

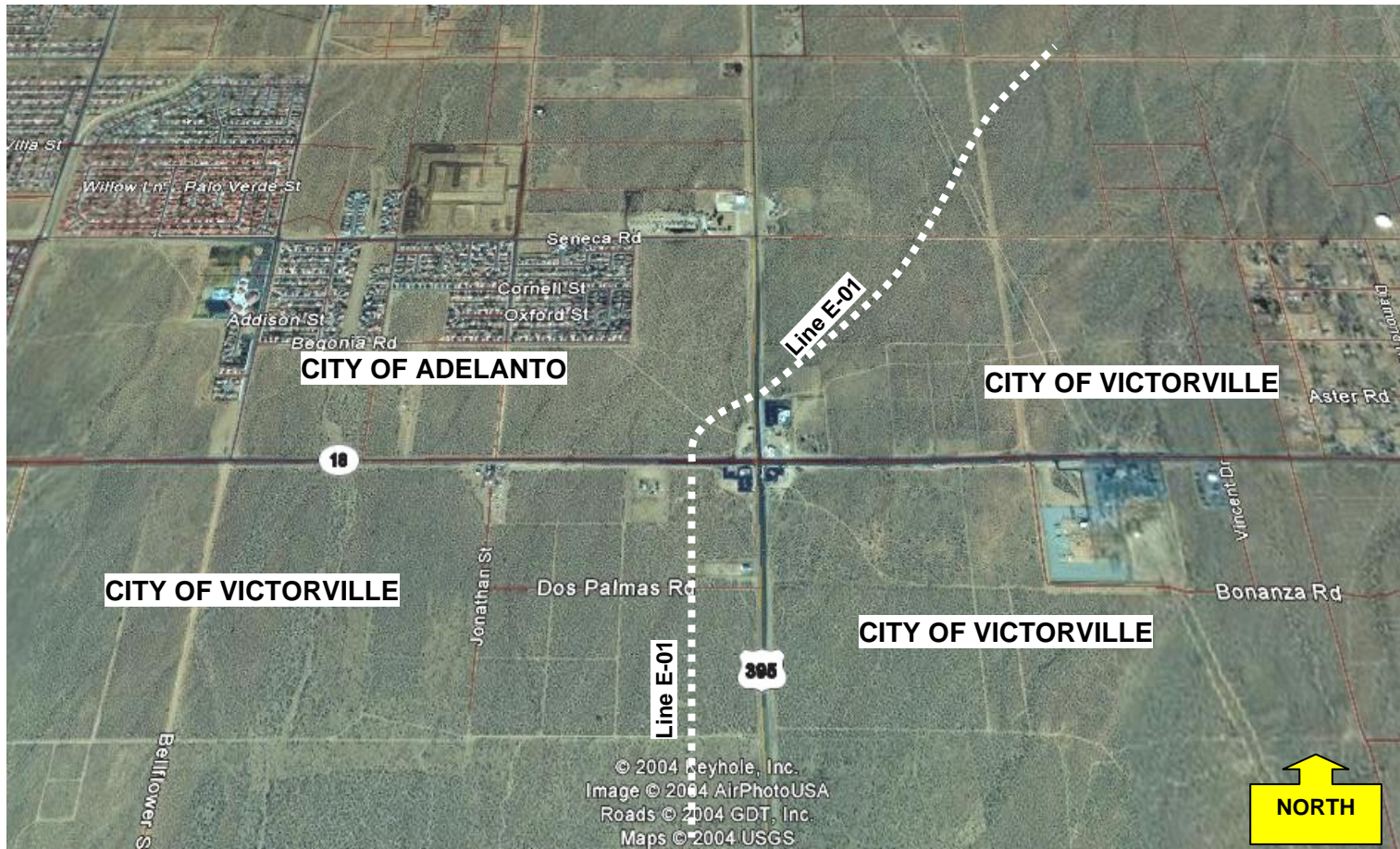


This basin was identified in the Hesperia MPD as the highest priority for right-of-way acquisition and construction. Based on preliminary basin design footprint the District staff proceeded to prepare right of way documents, A Tentative Tract Map for the Development to the east revealed future Phases located on Basin Property. Currently, the District has revised the preliminary footprint and is working with the Real Estate Division to commence property appraisal. Funding of \$200,000 is available in FY 07/08 for design and right-of-way only.

PLANNING / ENGINEERING PROJECTS

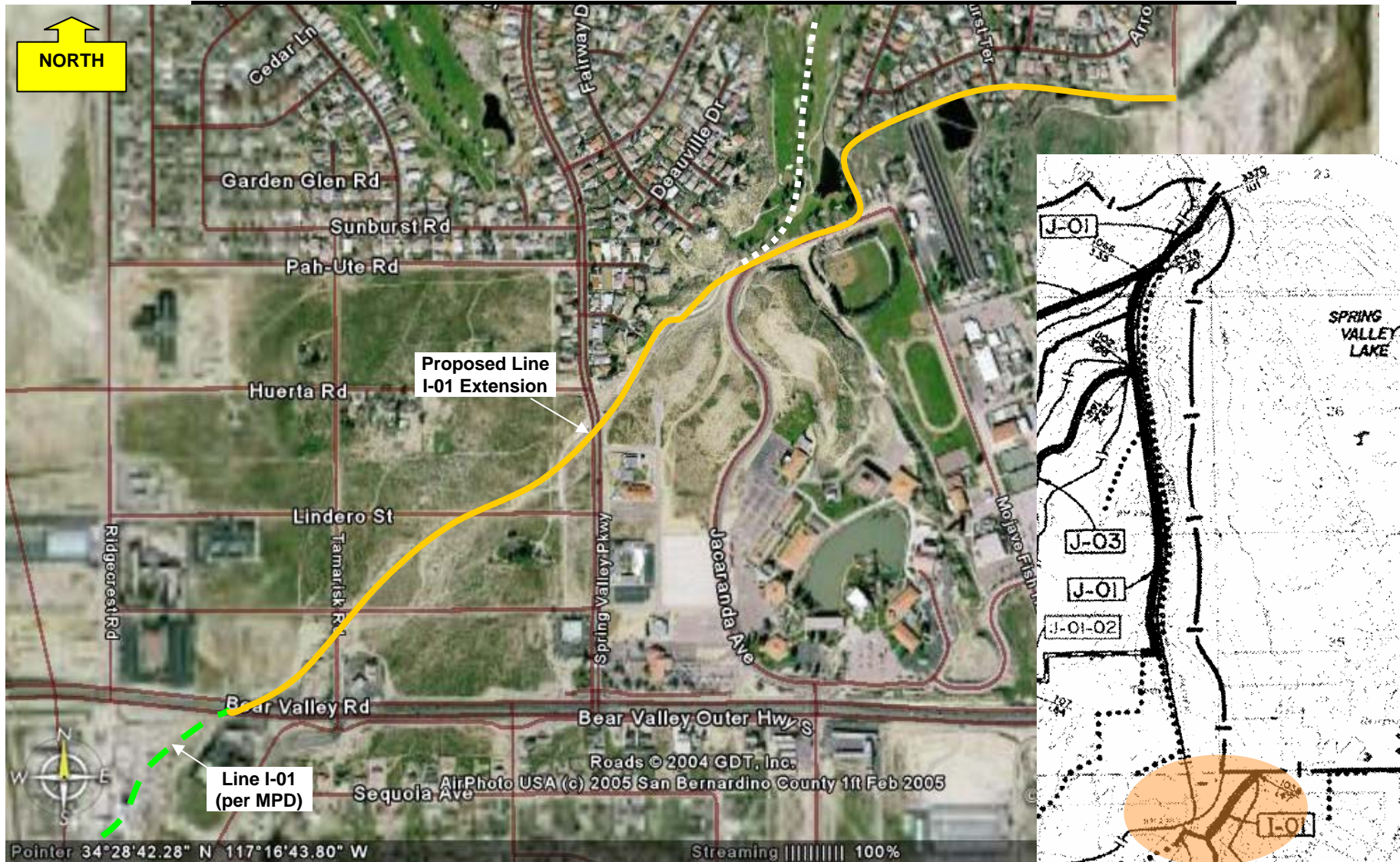


VICTORVILLE EXTENSION – Line E-01



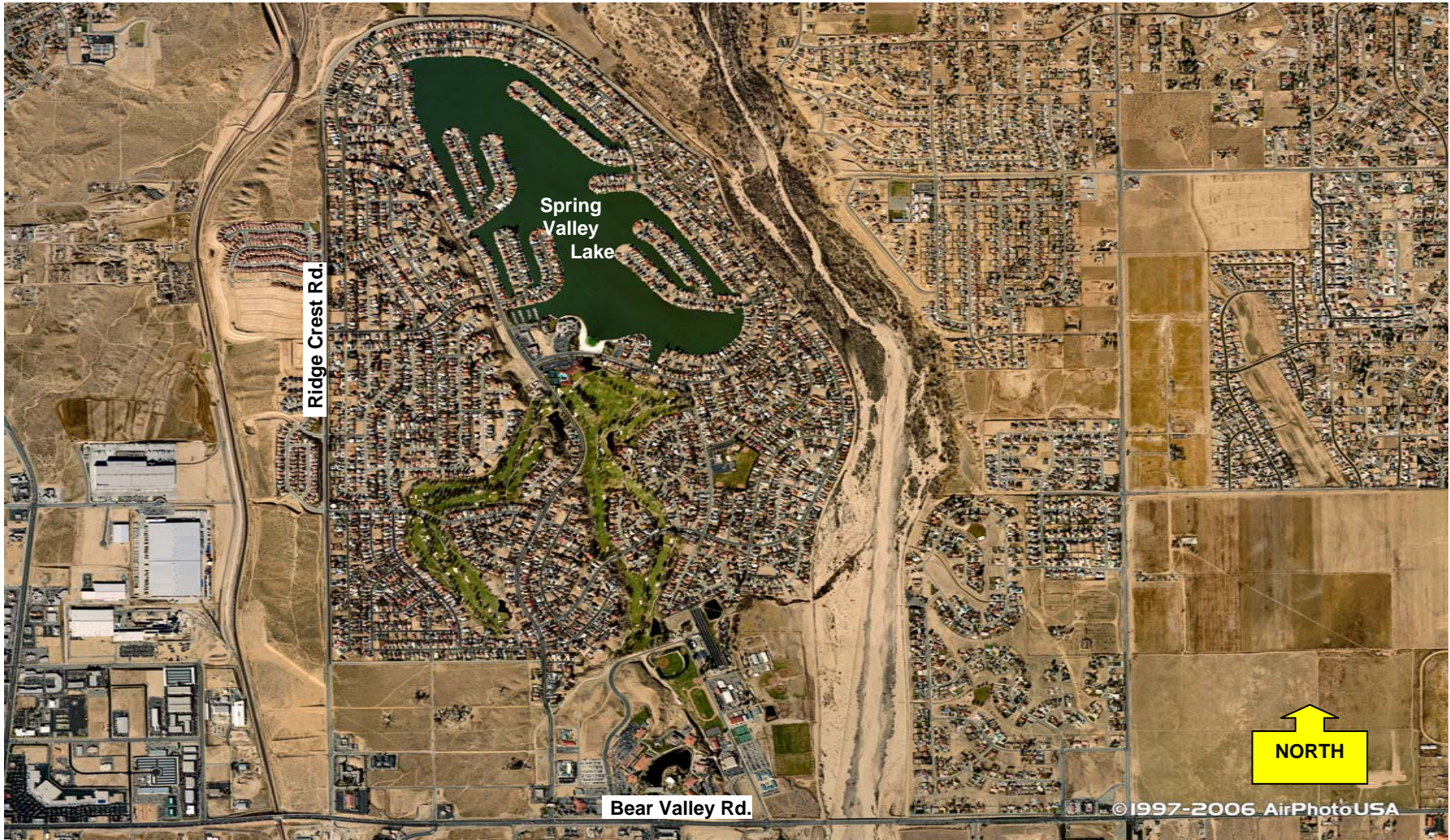
This project is an extension of Line E-01 constructed by the City of Adelanto to tie into the box @ SW corner Rte 395/Palmdale Rd (Hwy 18) and extend the line N'y and E'y across Rte 395 to a point of discharge and future connection to a system. The District is coordinating with the City on an agreement and are currently awaiting comments. The City has hired a consultant to perform the existing utility research and is awaiting the desert hydrology to make a determination whether to outsource the project. \$1.0 m has been budgeted for this project.

FLOOD CONTROL DISTRICT – Line I-01 Extension



In response, District proposed to study the extension of Line I-01, which per the Hesperia MPD terminated at Bear Valley Road and re-route it to the Mojave River and away from the golf course. IN FY 06/07 the Zone Advisory Committee allocated \$30,000 to study this proposal. The results of the findings concluded the extension of Line I-01 was not a viable solution and continue to analyze various alignment alternatives. Currently, the most reasonable alignment is to redirect the flows down Bear Valley Road away from the community. A combination of above and below facilities are being investigated and ultimate alignment to terminate at the Mojave River. This study is expected to be completed in FY 07/08.

SPRING VALLEY LAKE ASSOCIATION



At the April 19, 2007 Zone 4 Budget Hearing, the Advisory Committee approved a request from Gordon Ryan of the Spring Valley Lake Association (Association) to assist in funding a study investigating the flooding experienced in August 2004 and February 2005. With Gordon Ryan's departure, at the request of the Association coordinated directly with the consultant firm hired by the Association for the Spring Valley Lake pollution and sedimentation study. The District provided the consultant with a scope of work and finalized a cost estimate. The new cost estimate is \$15,000. The District contacted the Association in response to the cost and the desire for the project. Upon approval, the District will provide a purchase order for completion of work. Summer 2008.